

(e.g., 30 cm³ or less, 20 cm³ or less, 10 cm³ or less). In some preferred embodiments, the delivery system is flat (e.g., comprising one or more flat panels). In some such embodiments, the ratios of X:Z and Y:Z are greater than 20:1 (e.g., greater than 30:1, greater than 40:1). In some embodiments the thickness is 2 millimeters or less, the length is 5.5 centimeters or less, and/or the width is 8.25 cm or less. In yet other preferred embodiments, the delivery system has a thickness less than 1 millimeter, a length less than 8.5 centimeters, and/or a width less than 5.5 cm. In yet other preferred embodiments, the delivery system is the approximate size and shape of a standard credit card. In yet other preferred embodiments, the delivery system further comprises one or more placards. In other embodiments, the delivery system comprises plastic.

In some preferred embodiments, the delivery system comprises a protective storage container comprising a round or oval vial with a thickness, a width, and a length. While the present invention is not limited by the dimensions of the container, in preferred embodiments, the thickness is X millimeters or less, the length is Y centimeters or less, and the diameter is Z cm or less wherein $X * Y * Z$ is less than 15 cm³, preferably less than 10 cm³. In some embodiments, the thickness is 5 millimeters or less, the length is 5 centimeters or less, and the diameter is 2.5 cm or less. In other embodiments, the delivery system is a round or oval vial made of a thermo-plastic polymer with an entrained desiccant that removes moisture from the interior of the container. In some embodiments of the present invention, the system further comprises a delivery system, whereby the delivery system comprises a protective storage container having one or more compartments capable of storing one or more of the assay tests. In preferred embodiments, the storage container has a cap providing an air tight seal and connected by a hinge of the same said polymer material wherein said cap, hinge and container are molded as one piece. In still more preferred embodiments the storage container is made of a hard thermo-plastic polymer with an entrained desiccant allowing for easy accessibility without jeopardizing the reaction means to environmental moisture or humidity.

DESCRIPTION OF THE FIGURES

Figure 1 shows a top view of an assay test made with a hinge that allows one end of a test to be folded onto the other.

Figure 2 shows the three main components that make up the assay test in Figure 1.

Figure 3 shows a top view of a delivery system that stores multiple assay tests and is made with a hinge that allows the entire delivery system to be opened.

Figure 4 shows a top view of the delivery system in Figure 3 when closed.

Figure 5 shows an individual putting one end of an assay test from Figure 1 into their mouth.

Figure 6 shows how a hinge allows one end of an assay test from Figure 1 to be folded onto another.

Figure 7 shows a top view of an assay test from Figure 1 where one end has been folded onto the other.

Figure 8 shows an assay test made with a hinge that allows two pieces from one end of an assay test to be folded around the other end.

Figure 9 shows an assay test made with a sliding mechanism that allows a portion from one end of an assay test to be slid around the other end.

Figure 10 shows an assay test similar to the assay test in Figure 1 but constructed of two main components instead of three.

Figure 11 shows a delivery system that stores multiple assay tests, and is made with five hinges that allow five compartments in the delivery system to be opened.

Figure 12a shows an assay test from Figure 1 and how it fits into a protective encasement.

Figure 12b shows a delivery system that stores multiple assay tests and is made with multiple compartments that are each covered with a removable protective encasement.

Figure 13a shows an assay test similar to the assay test in Figure 8, but which comprises a secondary chamber containing additional reaction components.

Figure 13b shows an assay test similar to the assay test in Figure 9, but which comprises a secondary chamber containing additional reaction components.

Figure 13c shows an assay test similar to the assay test in Figure 1, but which comprises a secondary chamber containing additional reaction components.

5 Figure 13d shows an assay test similar to the assay test in Figure 13c, but which comprises two main components instead of three.

10 Figure 13e shows the top view of an assay test similar to the assay test in Figure 13c except that two chambers containing additional reaction components are located on the opposite end of the assay test from the chamber containing additional reaction components in Figure 13c.

Figure 13f shows a side view of the assay test in Figure 13e.

Figure 14 shows one embodiment of the delivery systems of the present invention.

15 Figure 15 shows one embodiment of the delivery systems of the present invention.

Figure 16 shows one embodiment of the delivery systems of the present invention.

Figure 17 shows one embodiment of the delivery systems of the present invention.

20 Figure 18 shows an assay test strip in one embodiment of the present invention.

Figure 19 shows a folded delivery system in one embodiment of the present invention.

GENERAL DESCRIPTION OF THE INVENTION

25 The present invention relates to assay test systems, including compositions and methods for storing multiple assay tests and compositions and methods for measuring the presence of or concentration of analytes in a sample. In preferred embodiments, the present invention provides: